



2017 FIRST® Championship Conferences
 Presented by Southwest, ViaSat & Walt Disney Imagineering
Houston Schedule At-A-Glance

Wednesday, April 19

Workshops (time varies)	Sessions (50 minutes)	370 A	370 B/C	370 D	370 E/F
	4:00-5:00	LabVIEW Programming for Beginners	A Walk on the Field: Case Study of an <i>FIRST</i> Tech Challenge Walking Robot	Social Media and Your Robotics Team	Deep Neural Networks for Computer Vision: Do RIOs Dream of Electric Sheep?
	5:00-5:30	BREAK	BREAK	BREAK	BREAK
	5:30-6:30	Advanced LabVIEW Programming Techniques	Change the Gender Equation: The SWENext Partnership with <i>FIRST</i>	Calling all <i>FIRST</i> Volunteers! Tell us what you want!	Mysteries of the Solar System as Revealed by NASA Robots
6:30-7:00	6:30-7:00	BREAK	BREAK	BREAK	BREAK
7:00-8:30	7:00-8:00	Mentoring for Diversity and Inclusion in <i>FIRST</i>	Business Plans Made Easy as π & Why You Should Do Them	Looking for Solutions to Help You and Your Students Better Manage the Competitive Process?	Building and contributing to WPILib Suite



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Thursday, April 20

Workshops (120 minutes)	Sessions (60 minutes)	370 A	370 B/C	370 D	370 E/F
8:30-10:30	9:00-10:00	The Top 20 Robots in <i>FIRST</i> Robotics Competition History	Big Bacon Theory of Image and Marketing	Understanding Female Involvement in <i>FIRST</i> Robotics Competition: Stats, Strategies, and Stories	Revolutionizing the Face of Technology: The National Center for Women and Information Technology's Best Practices to Increase Underrepresented Minority Participation
	10:00-10:30	BREAK		BREAK	BREAK
10:30-11:00	10:30-11:30	A New Approach to Middle School STEM Using Drones	BREAK	DIY Intelligence	How to Create a Sustainable, Long-Term Robotics Program Anywhere in the World?
11:00-1:00	11:30-12:00	BREAK	LEGO Education WeDo 2.0 Workshop	BREAK	BREAK
	12:00-1:00	Remote Mentoring and Independent Development		Robots Around the World: Bringing <i>FIRST</i> Robotics Competition and the <i>FIRST</i> Progression of Programs Everywhere	The Secret to a Better Robot: Teambuilding in <i>FIRST</i> Robotics
1:00-1:30	1:00-1:30	BREAK	BREAK	BREAK	BREAK
1:30-3:30	1:30-2:30	Robotics for Development: How Increasing Teams' Global Impact Positively Affects Students Achievements	Libraries, Makerspaces and Robots! Stem Programs in Library 2.0	Analysis and Engineering in the Age of the International Space Station	Chairman's Chat
	2:30-3:00	BREAK	BREAK	BREAK	
	3:00-4:00	Put <i>FIRST</i> to Work for You: Leveraging Your <i>FIRST</i> Experience for Professional Success	IQ & EQ - How to become a Polymath and Empath	Calling all <i>FIRST</i> Volunteers! Tell us What You Want!	



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Friday, April 21

Workshops (120 minutes)	Sessions (60 minutes)	370 A	370 B/C	370 D	370 E/F	
8:30-10:30	9:00-10:00	Arms and Manipulators	VIP Educator Summit	Girls Will Be Girls: Tips for Overcoming Unconscious Bias in Female STEM Engagement	Your FIRST Narrative: Presentation Literacy Skills with TED-Ed	
	10:00-10:30	BREAK		BREAK	BREAK	
10:30-11:00	10:30-11:30	Doing <i>FIRST</i> Overseas: Opportunities and Challenges from China		Who Wants to Build a Scouting App that can Talk Tableau?	"WOMEN IN STEM.... Things We Want You to Know!" An Interactive Discussion with Women Leaders in Technology	
11:00-1:00	11:30-12:00	BREAK		BREAK		
	12:00-1:00	Open-Source Robot Sensor Fusion: IMU, Quadrature Encoders, Vision Processing and LIDAR		Bringing <i>FIRST</i> Robotics to the Boys & Girls Clubs of America		
1:00-1:30	1:00-1:30	BREAK		BREAK	BREAK	
1:30-3:30	1:30-2:30	Robots are a Girl's Best Friend		BREAK	The Power of Math and Science Can Make You a Superhero!	Strategies for using computer vision on FRC robots
	2:30-3:00	BREAK			BREAK	
	3:00-4:00	Solder and Sonder: Stories of Identity in STEM		Unified Robotics: Empowering Students with Special Needs Through Robotics	The Journey of MitraClip: A Story of Innovation	

Special Session: Live Coaching Your FIRST story with TED-Ed and Abbott

12:00-12:40

340 A/B